

RAW SEQUENCE LISTING

ERS

The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.

Application Serial Number: 09/840,722C
Source: IFW/6
Date Processed by STIC: 4/12/07

ENTERED

CRF Errors Edited by the STIC Systems Branch

Serial Number: 09/840,722c

CRF Edit Date: 4/12/07
Edited by: M

— Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

— Corrected the SEQ ID NO. Sequence numbers edited were:

— Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

— Deleted: ___ invalid beginning/end-of-file text ; ___ page numbers

— Inserted mandatory headings/numeric identifiers, specifically:

— Moved responses to same line as heading/numeric identifier, specifically:

Other:

Corrected 1/207 response



IFW16

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/840,722C

DATE: 04/12/2007

TIME: 16:54:14

Input Set : N:\EFS\04_12_07\09840722c_ef8\PTO.AMC.txt
 Output Set: N:\CRF4\04122007\I840722C.raw

3 <110> APPLICANT: MACLEOD, MICHAEL C.
 4 ALDAZ, MARCELO C.
 5 GADDIS, SARA
 7 <120> TITLE OF INVENTION: COMBINATORIAL OLIGONUCLEOTIDE PCR: A METHOD FOR RAPID,

GLOBAL

8 EXPRESSION ANALYSIS
 10 <130> FILE REFERENCE: UTSC:607USC1
 12 <140> CURRENT APPLICATION NUMBER: 09/840,722C
 13 <141> CURRENT FILING DATE: 2001-04-23
 15 <150> PRIOR APPLICATION NUMBER: 09/414,847
 16 <151> PRIOR FILING DATE: 1999-10-08
 18 <160> NUMBER OF SEQ ID NOS: 32
 20 <170> SOFTWARE: PatentIn version 3.3
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 24 <212> TYPE: DNA
 25 <213> ORGANISM: Artificial
 27 <220> FEATURE:
 28 <223> OTHER INFORMATION: Synthetic primer
 30 <400> SEQUENCE: 1
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 34 <210> SEQ ID NO: 2
 35 <211> LENGTH: 12
 36 <212> TYPE: DNA
 37 <213> ORGANISM: Artificial
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 40 <223> OTHER INFORMATION: Synthetic primer
 42 <400> SEQUENCE: 2 12
 43 cggatgtatc tc
 46 <210> SEQ ID NO: 3
 47 <211> LENGTH: 20
 48 <212> TYPE: DNA
 49 <213> ORGANISM: Artificial
 51 <220> FEATURE:
 52 <223> OTHER INFORMATION: Synthetic primer
 54 <400> SEQUENCE: 3
 55 gctgtctaga cgcatgccca 20
 58 <210> SEQ ID NO: 4
 59 <211> LENGTH: 58
 60 <212> TYPE: DNA
 61 <213> ORGANISM: Artificial
 63 <220> FEATURE:
 64 <223> OTHER INFORMATION: Synthetic primer
 66 <400> SEQUENCE: 4

see R⁶

RAW SEQUENCE LISTING

DATE: 04/12/2007

PATENT APPLICATION: US/09/840,722C

TIME: 16:54:14

Input Set : N:\EFS\04_12_07\09840722c_efs\PTO.AMC.txt
 Output Set: N:\CRF4\04122007\I840722C.raw

67 gctgtctaga cgcatgccca agctagccac gcagtcacac gagatcgatg catcaccg 58
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 73 <213> ORGANISM: Artificial
 75 <220> FEATURE:
 76 <223> OTHER INFORMATION: Synthetic primer
 78 <400> SEQUENCE: 5
 79 cgagatcgat gcatcaccg 19
 82 <210> SEQ ID NO: 6
 83 <211> LENGTH: 33
 84 <212> TYPE: DNA
 85 <213> ORGANISM: Artificial
 87 <220> FEATURE:
 88 <223> OTHER INFORMATION: Synthetic primer
 90 <400> SEQUENCE: 6
 91 gctgtctaga cgcatgccca acacaagcta gcc 33
 94 <210> SEQ ID NO: 7
 95 <211> LENGTH: 63
 96 <212> TYPE: DNA
 97 <213> ORGANISM: Artificial
 99 <220> FEATURE:
 100 <223> OTHER INFORMATION: Synthetic primer
 102 <400> SEQUENCE: 7
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 105 ccg 63
 108 <210> SEQ ID NO: 8
 109 <211> LENGTH: 249
 110 <212> TYPE: DNA
 111 <213> ORGANISM: Artificial
 113 <220> FEATURE:
 114 <223> OTHER INFORMATION: Synthetic primer
 116 <400> SEQUENCE: 8
 117 tagggcagac atgccttggt gccggtcaca ctctacacgc actgaggtgc ctgctcaggt 60
 119 gctatgtccc aagagccata aggggggtggg aattggggag ggagaaagg tagttcaaag 120
 121 agtctgtctt gagatctgat ttttcccc tttacctagc tgtgccccct ctgttattt 180
 123 attcccttag tgccaggagg gcacagcagg ggagccctga ttttaataa atccggaatt 240
 125 gtatttattt 249
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 129 <211> LENGTH: 11
 130 <212> TYPE: DNA
 131 <213> ORGANISM: Artificial
 133 <220> FEATURE:
 134 <223> OTHER INFORMATION: Synthetic primer
 137 <220> FEATURE:
 138 <221> NAME/KEY: modified_base
 139 <222> LOCATION: (4)..(8)
 140 <223> OTHER INFORMATION: n = a, c, g, or t/u
 142 <220> FEATURE:

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/840,722C

DATE: 04/12/2007

TIME: 16:54:14

Input Set : N:\EFS\04_12_07\09840722c_efs\PTO.AMC.txt
 Output Set: N:\CRF4\04122007\I840722C.raw

143 <221> NAME/KEY: misc_feature
 144 <222> LOCATION: (4)..(8)
 145 <223> OTHER INFORMATION: n is a, c, g, or t
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 151 <210> SEQ ID NO: 10
 152 <211> LENGTH: 14
 153 <212> TYPE: DNA
 154 <213> ORGANISM: Artificial
 156 <220> FEATURE:
 157 <223> OTHER INFORMATION: Synthetic primer
 160 <220> FEATURE:
 161 <221> NAME/KEY: modified_base
 162 <222> LOCATION: (1)..(7)
 163 <223> OTHER INFORMATION: n = a, c, g or t/u
 165 <220> FEATURE:
 166 <221> NAME/KEY: misc_feature
 167 <222> LOCATION: (1)..(1)
 168 <223> OTHER INFORMATION: n is a, c, g, or t
 170 <220> FEATURE:
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 173 <223> OTHER INFORMATION: n is a, c, g, or t
 175 <220> FEATURE:
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 177 <222> LOCATION: (11)..(11)
 178 <223> OTHER INFORMATION: n = p
 180 <220> FEATURE:
 181 <221> NAME/KEY: misc_feature
 182 <222> LOCATION: (11)..(11)
 183 <223> OTHER INFORMATION: n is a, c, g, or t
 185 <220> FEATURE:
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 188 <223> OTHER INFORMATION: n = a, c, g or t/u
 190 <220> FEATURE:
 191 <221> NAME/KEY: misc_feature
 192 <222> LOCATION: (14)..(14)
 193 <223> OTHER INFORMATION: n is a, c, g, or t
 195 <400> SEQUENCE: 10
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 201 <212> TYPE: DNA
 202 <213> ORGANISM: Artificial
 204 <220> FEATURE:
 205 <223> OTHER INFORMATION: Synthetic primer
 208 <220> FEATURE:
 209 <221> NAME/KEY: modified_base

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/840,722C

DATE: 04/12/2007

TIME: 16:54:14

Input Set : N:\EFS\04_12_07\09840722c_efs\PTO.AMC.txt
 Output Set: N:\CRF4\04122007\I840722C.raw

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 213 <220> FEATURE:
 214 <221> NAME/KEY: misc_feature
 215 <222> LOCATION: (4)..(9)
 216 <223> OTHER INFORMATION: n is a, c, g, or t
 218 <400> SEQUENCE: 11
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 224 <212> TYPE: DNA
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 228 <223> OTHER INFORMATION: Synthetic primer
 231 <220> FEATURE:
 232 <221> NAME/KEY: modified_base
 233 <222> LOCATION: (4)..(8)
 234 <223> OTHER INFORMATION: n = a, c, g or t/u
 236 <220> FEATURE:
 237 <221> NAME/KEY: misc_feature
 238 <222> LOCATION: (4)..(8)
 239 <223> OTHER INFORMATION: n is a, c, g, or t
 241 <400> SEQUENCE: 12
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 245 <210> SEQ ID NO: 13
 246 <211> LENGTH: 10
 247 <212> TYPE: DNA
 248 <213> ORGANISM: Artificial
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 251 <223> OTHER INFORMATION: Synthetic primer
 254 <220> FEATURE:
 255 <221> NAME/KEY: modified_base
 256 <222> LOCATION: (4)..(7)
 257 <223> OTHER INFORMATION: n = a, c, g or t/u
 259 <220> FEATURE:
 260 <221> NAME/KEY: misc_feature
 261 <222> LOCATION: (4)..(7)
 262 <223> OTHER INFORMATION: n is a, c, g, or t
 264 <400> SEQUENCE: 13
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 268 <210> SEQ ID NO: 14
 269 <211> LENGTH: 11
 270 <212> TYPE: DNA
 271 <213> ORGANISM: Artificial
 273 <220> FEATURE:
 274 <223> OTHER INFORMATION: Synthetic primer
 277 <220> FEATURE:
 278 <221> NAME/KEY: modified_base
 279 <222> LOCATION: (3)..(9)

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/840,722C

DATE: 04/12/2007

TIME: 16:54:14

Input Set : N:\EFS\04_12_07\09840722c_efs\PTO.AMC.txt
 Output Set: N:\CRF4\04122007\I840722C.raw

280 <223> OTHER INFORMATION: n = a, c, g, or t/u
 282 <220> FEATURE:
 283 <221> NAME/KEY: misc_feature
 284 <222> LOCATION: (3)..(9)
 285 <223> OTHER INFORMATION: n is a, c, g, or t
 287 <400> SEQUENCE: 14

W--> 288 ccnnnnnnng g 11

291 <210> SEQ ID NO: 15
 292 <211> LENGTH: 11
 293 <212> TYPE: DNA
 294 <213> ORGANISM: Artificial
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 297 <223> OTHER INFORMATION: Synthetic primer
 300 <220> FEATURE:
 301 <221> NAME/KEY: modified_base
 302 <222> LOCATION: (4)..(8)
 303 <223> OTHER INFORMATION: n = a, c, g, or t/u
 305 <220> FEATURE:
 306 <221> NAME/KEY: misc_feature
 307 <222> LOCATION: (4)..(8)
 308 <223> OTHER INFORMATION: n is a, c, g, or t
 310 <400> SEQUENCE: 15

W--> 311 gcannnnnntg c 11

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 316 <212> TYPE: DNA
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 320 <223> OTHER INFORMATION: Synthetic primer
 323 <220> FEATURE:
 324 <221> NAME/KEY: modified_base
 325 <222> LOCATION: (4)..(9)
 326 <223> OTHER INFORMATION: n = a, c, g, or t/u
 328 <220> FEATURE:
 329 <221> NAME/KEY: misc_feature
 330 <222> LOCATION: (4)..(9)
 331 <223> OTHER INFORMATION: n is a, c, g, or t
 333 <400> SEQUENCE: 16

W--> 334 ccannnnnnnt gg 12

337 <210> SEQ ID NO: 17
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 339 <212> TYPE: DNA
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 342 <220> FEATURE:
 343 <223> OTHER INFORMATION: Synthetic primer
 346 <220> FEATURE:
 347 <221> NAME/KEY: modified_base
 348 <222> LOCATION: (4)..(9)
 349 <223> OTHER INFORMATION: n = a, c, g, or t/u

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 04/12/2007
PATENT APPLICATION: US/09/840,722C TIME: 16:54:15

Input Set : N:\EFS\04_12_07\09840722c_ef5\PTO.AMC.txt
Output Set: N:\CRF4\04122007\I840722C.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:9; N Pos. 4,5,6,7,8
Seq#:10; N Pos. 1,4,5,6,7,11,14
Seq#:11; N Pos. 4,5,6,7,8,9
Seq#:12; N Pos. 4,5,6,7,8
Seq#:13; N Pos. 4,5,6,7
Seq#:14; N Pos. 3,4,5,6,7,8,9
Seq#:15; N Pos. 4,5,6,7,8
Seq#:16; N Pos. 4,5,6,7,8,9
Seq#:17; N Pos. 4,5,6,7,8,9
Seq#:18; N Pos. 4,5,6,7,8
Seq#:19; N Pos. 6,7,8,9,10
Seq#:20; N Pos. 4,5,6,7
Seq#:21; N Pos. 3,4,5,6,7,8,9
Seq#:22; N Pos. 4,5,6,7,8
Seq#:23; N Pos. 4,5,6,7
Seq#:24; N Pos. 5,6,7,8,9
Seq#:25; N Pos. 4,5,6,7,8,9,10,11,12
Seq#:26; N Pos. 4,5,6,7
Seq#:31; N Pos. 17,18,19,20
Seq#:32; N Pos. 17,18,19

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete, per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27
Seq#:28,29,30,31,32

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/840,722C

DATE: 04/12/2007

TIME: 16:54:15

Input Set : N:\EFS\04_12_07\09840722c_efs\PTO.AMC.txt
Output Set: N:\CRF4\04122007\I840722C.raw

L:148 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0
L:196 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0
L:219 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0
L:242 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0
L:265 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0
L:288 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0
L:311 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0
L:334 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0
L:357 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0
L:380 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:0
L:403 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:0
L:426 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:0
L:449 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0
L:472 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:0
L:495 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:0
L:518 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:0
L:541 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:0
L:564 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:0
L:635 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31 after pos.:0
L:658 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:0

**Raw Sequence Listing before editing
(for reference only)**



IFW16

RAW SEQUENCE LISTING DATE: 04/12/2007
 PATENT APPLICATION: US/09/840,722C TIME: 14:34:20

Input Set : N:\EFS\04_12_07\09840722c_efs\UTSC607USC1.txt
 Output Set: N:\CRF4\04122007\I840722C.raw

add this

GLOBAL
 EXPRESSION
 ANALYSIS

3 <110> APPLICANT: MACLEOD, MICHAEL C.
 4 ALDAZ, MARCELO C.
 5 GADDIS, SARA
 7 <120> TITLE OF INVENTION: COMBINATORIAL OLIGONUCLEOTIDE PCR: A METHOD FOR RAPID, GLOBAL
 9 <130> FILE REFERENCE: UTSC:607USC1
 11 <140> CURRENT APPLICATION NUMBER: 09/840,722C
 12 <141> CURRENT FILING DATE: 2001-04-23
 14 <150> PRIOR APPLICATION NUMBER: 09/414,847
 15 <151> PRIOR FILING DATE: 1999-10-08
 17 <160> NUMBER OF SEQ ID NOS: 32
 19 <170> SOFTWARE: PatentIn version 3.3
 21 <210> SEQ ID NO: 1
 22 <211> LENGTH: 12
 23 <212> TYPE: DNA
 24 <213> ORGANISM: Artificial
 26 <220> FEATURE:
 27 <223> OTHER INFORMATION: Synthetic primer
 29 <400> SEQUENCE: 1
 30 gctgtctaga cg 12
 33 <210> SEQ ID NO: 2
 34 <211> LENGTH: 12
 35 <212> TYPE: DNA
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 39 <223> OTHER INFORMATION: Synthetic primer
 41 <400> SEQUENCE: 2
 42 cggatgc tc 12
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 47 <212> TYPE: DNA
 48 <213> ORGANISM: Artificial
 50 <220> FEATURE:
 51 <223> OTHER INFORMATION: Synthetic primer
 53 <400> SEQUENCE: 3
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 58 <211> LENGTH: 58
 59 <212> TYPE: DNA
 60 <213> ORGANISM: Artificial
 62 <220> FEATURE:
 63 <223> OTHER INFORMATION: Synthetic primer
 65 <400> SEQUENCE: 4
 66 gctgtctaga cgcatggca agctagccac gcagtcac gagatcgatg catcaccg 58

**Does Not Comply
 Corrected Diskette Needed**

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/840,722C

DATE: 04/12/2007

TIME: 14:34:20

Input Set : N:\EFS\04_12_07\09840722c_efs\UTSC607USC1.txt
 Output Set: N:\CRF4\04122007\I840722C.raw

69 <210> SEQ ID NO: 5
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 71 <212> TYPE: DNA
 72 <213> ORGANISM: Artificial
 74 <220> FEATURE:
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 77 <400> SEQUENCE: 5
 78 cgagatcgat gcatcacccg 19
 81 <210> SEQ ID NO: 6
 82 <211> LENGTH: 33
 83 <212> TYPE: DNA
 84 <213> ORGANISM: Artificial
 86 <220> FEATURE:
 87 <223> OTHER INFORMATION: Synthetic primer
 89 <400> SEQUENCE: 6
 90 gctgtctaga cgcatgccc acacaagcta gcc 33
 93 <210> SEQ ID NO: 7
 94 <211> LENGTH: 63
 95 <212> TYPE: DNA
 96 <213> ORGANISM: Artificial
 98 <220> FEATURE:
 99 <223> OTHER INFORMATION: Synthetic primer
 101 <400> SEQUENCE: 7
 102 gctgtctaga cgcatgccc acacaagcta gccacgcgt ccaacgagat cgatgcata 60
 104 ccg 63
 107 <210> SEQ ID NO: 8
 108 <211> LENGTH: 249
 109 <212> TYPE: DNA
 110 <213> ORGANISM: Artificial
 112 <220> FEATURE:
 113 <223> OTHER INFORMATION: Synthetic primer
 115 <400> SEQUENCE: 8
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 118 gctatgtccc aagagccata aggggggtggg aattggggag ggagaaaagg tagttcaaag 120
 120 agtctgtctt gagatctgtat ttttcccccc tttacctagc tgtgccccct ctgttattt 180
 122 atttccttag tgccaggagg gcacagcagg ggagccctga tttttaataa atccggaatt 240
 124 gtattttttt 249
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 133 <223> OTHER INFORMATION: Synthetic primer
 136 <220> FEATURE:
 137 <221> NAME/KEY: modified_base
 138 <222> LOCATION: (4)..(8) /
 139 <223> OTHER INFORMATION: n = a, c, g, or t/u
 141 <220> FEATURE:
 142 <221> NAME/KEY: misc_feature

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/840,722C

DATE: 04/12/2007

TIME: 14:34:20

Input Set : N:\EFS\04_12_07\09840722c_efs\UTSC607USC1.txt
 Output Set: N:\CRF4\04122007\I840722C.raw

143 <222> LOCATION: (4)..(8)
 144 <223> OTHER INFORMATION: n is a, c, g, or t
 146 <400> SEQUENCE: 9

W--> 147 gacnnnnngt c 11

150 <210> SEQ ID NO: 10
 151 <211> LENGTH: 14

152 <212> TYPE: DNA

153 <213> ORGANISM: Artificial

155 <220> FEATURE:

156 <223> OTHER INFORMATION: Synthetic primer

159 <220> FEATURE:

160 <221> NAME/KEY: modified_base

161 <222> LOCATION: (1)..(7)

162 <223> OTHER INFORMATION: n = a, c, g or t/u

164 <220> FEATURE:

165 <221> NAME/KEY: misc_feature

166 <222> LOCATION: (1)..(1)

167 <223> OTHER INFORMATION: n is a, c, g, or t

169 <220> FEATURE:

170 <221> NAME/KEY: misc_feature

171 <222> LOCATION: (4)..(7)

172 <223> OTHER INFORMATION: n is a, c, g, or t

174 <220> FEATURE:

175 <221> NAME/KEY: modified_base

176 <222> LOCATION: (11)..(11)

177 <223> OTHER INFORMATION: n = p

179 <220> FEATURE:

180 <221> NAME/KEY: misc_feature

181 <222> LOCATION: (11)..(11)

182 <223> OTHER INFORMATION: n is a, c, g, or t

184 <220> FEATURE:

185 <221> NAME/KEY: modified_base

186 <222> LOCATION: (14)..(14)

187 <223> OTHER INFORMATION: n = a, c, g or t/u

189 <220> FEATURE:

190 <221> NAME/KEY: misc_feature

191 <222> LOCATION: (14)..(14)

192 <223> OTHER INFORMATION: n is a, c, g, or t

194 <400> SEQUENCE: 10

W--> 195 nacnnnnngta nycn 14

198 <210> SEQ ID NO: 11

199 <211> LENGTH: 12

200 <212> TYPE: DNA

201 <213> ORGANISM: Artificial

203 <220> FEATURE:

204 <223> OTHER INFORMATION: Synthetic primer

207 <220> FEATURE:

208 <221> NAME/KEY: modified_base

209 <222> LOCATION: (4)..(9)

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/840,722C

DATE: 04/12/2007

TIME: 14:34:20

Input Set : N:\EFS\04_12_07\09840722c_efs\UTSC607USC1.txt
 Output Set: N:\CRF4\04122007\I840722C.raw

210 <223> OTHER INFORMATION: n = a, c, g, or t/u
 212 <220> FEATURE:
 213 <221> NAME/KEY: misc_feature
 214 <222> LOCATION: (4)..(9)
 215 <223> OTHER INFORMATION: n is a, c, g, or t
 217 <400> SEQUENCE: 11

W--> 218 cgannnnnnnt gc 12

221 <210> SEQ ID NO: 12
 222 <211> LENGTH: 11
 223 <212> TYPE: DNA
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 226 <220> FEATURE:
 227 <223> OTHER INFORMATION: Synthetic primer
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 231 <221> NAME/KEY: modified_base
 232 <222> LOCATION: (4)..(8)
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 236 <221> NAME/KEY: misc_feature
 237 <222> LOCATION: (4)..(8)
 238 <223> OTHER INFORMATION: n is a, c, g, or t
 240 <400> SEQUENCE: 12

W--> 241 gccnnnnnng c 11

244 <210> SEQ ID NO: 13
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 255 <222> LOCATION: (4)..(7)
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 258 <220> FEATURE:
 259 <221> NAME/KEY: misc_feature
 260 <222> LOCATION: (4)..(7)
 261 <223> OTHER INFORMATION: n is a, c, g, or t
 263 <400> SEQUENCE: 13

W--> 264 gatnnnnnntc 10

267 <210> SEQ ID NO: 14
 268 <211> LENGTH: 11
 269 <212> TYPE: DNA
 270 <213> ORGANISM: Artificial
 272 <220> FEATURE:
 273 <223> OTHER INFORMATION: Synthetic primer
 276 <220> FEATURE:
 277 <221> NAME/KEY: modified_base
 278 <222> LOCATION: (3)..(9)
 279 <223> OTHER INFORMATION: n = a, c, g, or t/u

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/840,722C

DATE: 04/12/2007

TIME: 14:34:20

Input Set : N:\EFS\04_12_07\09840722c_efs\UTSC607USC1.txt
 Output Set: N:\CRF4\04122007\I840722C.raw

281 <220> FEATURE:
 282 <221> NAME/KEY: misc_feature
 283 <222> LOCATION: (3)..(9)
 284 <223> OTHER INFORMATION: n is a, c, g, or t
 286 <400> SEQUENCE: 14

W--> 287 ccnnnnnnng g 11

290 <210> SEQ ID NO: 15
 291 <211> LENGTH: 11
 292 <212> TYPE: DNA
 293 <213> ORGANISM: Artificial
 295 <220> FEATURE:
 296 <223> OTHER INFORMATION: Synthetic primer
 299 <220> FEATURE:
 300 <221> NAME/KEY: modified_base
 301 <222> LOCATION: (4)..(8)
 302 <223> OTHER INFORMATION: n = a, c, g, or t/u
 304 <220> FEATURE:
 305 <221> NAME/KEY: misc_feature
 306 <222> LOCATION: (4)..(8)
 307 <223> OTHER INFORMATION: n is a, c, g, or t
 309 <400> SEQUENCE: 15

W--> 310 gcannnnntg c 11

313 <210> SEQ ID NO: 16
 314 <211> LENGTH: 12
 315 <212> TYPE: DNA
 316 <213> ORGANISM: Artificial
 318 <220> FEATURE:
 319 <223> OTHER INFORMATION: Synthetic primer
 322 <220> FEATURE:
 323 <221> NAME/KEY: modified_base
 324 <222> LOCATION: (4)..(9)
 325 <223> OTHER INFORMATION: n = a, c, g, or t/u
 327 <220> FEATURE:
 328 <221> NAME/KEY: misc_feature
 329 <222> LOCATION: (4)..(9)
 330 <223> OTHER INFORMATION: n is a, c, g, or t
 332 <400> SEQUENCE: 16

W--> 333 ccannnnnnt gg 12

336 <210> SEQ ID NO: 17
 337 <211> LENGTH: 12
 338 <212> TYPE: DNA
 339 <213> ORGANISM: Artificial
 341 <220> FEATURE:
 342 <223> OTHER INFORMATION: Synthetic primer
 345 <220> FEATURE:
 346 <221> NAME/KEY: modified_base
 347 <222> LOCATION: (4)..(9)
 348 <223> OTHER INFORMATION: n = a, c, g, or t/u
 350 <220> FEATURE:

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 04/12/2007
PATENT APPLICATION: US/09/840,722C TIME: 14:34:21

Input Set : N:\EFS\04_12_07\09840722c_efs\UTSC607USC1.txt
Output Set: N:\CRF4\04122007\I840722C.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:9; N Pos. 4,5,6,7,8
Seq#:10; N Pos. 1,~~4,5,6,7,7,11,14~~
Seq#:11; N Pos. ~~4,5,6,7,8,9~~
Seq#:12; N Pos. 4,5,6,7,8
Seq#:13; N Pos. 4,5,6,7
Seq#:14; N Pos. 3,4,5,6,7,8,9
Seq#:15; N Pos. 4,5,6,7,8
Seq#:16; N Pos. 4,5,6,7,8,9
Seq#:17; N Pos. 4,5,6,7,8,9
Seq#:18; N Pos. 4,5,6,7,8
Seq#:19; N Pos. 6,7,8,9,10
Seq#:20; N Pos. 4,5,6,7
Seq#:21; N Pos. 3,4,5,6,7,8,9
Seq#:22; N Pos. 4,5,6,7,8
Seq#:23; N Pos. 4,5,6,7
Seq#:24; N Pos. 5,6,7,8,9
Seq#:25; N Pos. 4,5,6,7,8,9,10,11,12
Seq#:26; N Pos. 4,5,6,7
Seq#:31; N Pos. 17,18,19,20
Seq#:32; N Pos. 17,18,19

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete, per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27
Seq#:28,29,30,31,32

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/840,722C

DATE: 04/12/2007

TIME: 14:34:21

Input Set : N:\EFS\04_12_07\09840722c_efs\UTSC607USC1.txt
Output Set: N:\CRF4\04122007\I840722C.raw

L:147 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0
L:195 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0
L:218 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0
L:241 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0
L:264 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0
L:287 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0
L:310 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0
L:333 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0
L:356 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0
L:379 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:0
L:402 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:0
L:425 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:0
L:448 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0
L:471 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:0
L:494 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:0
L:517 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:0
L:540 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:0
L:563 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:0
L:634 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31 after pos.:0
L:657 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:0